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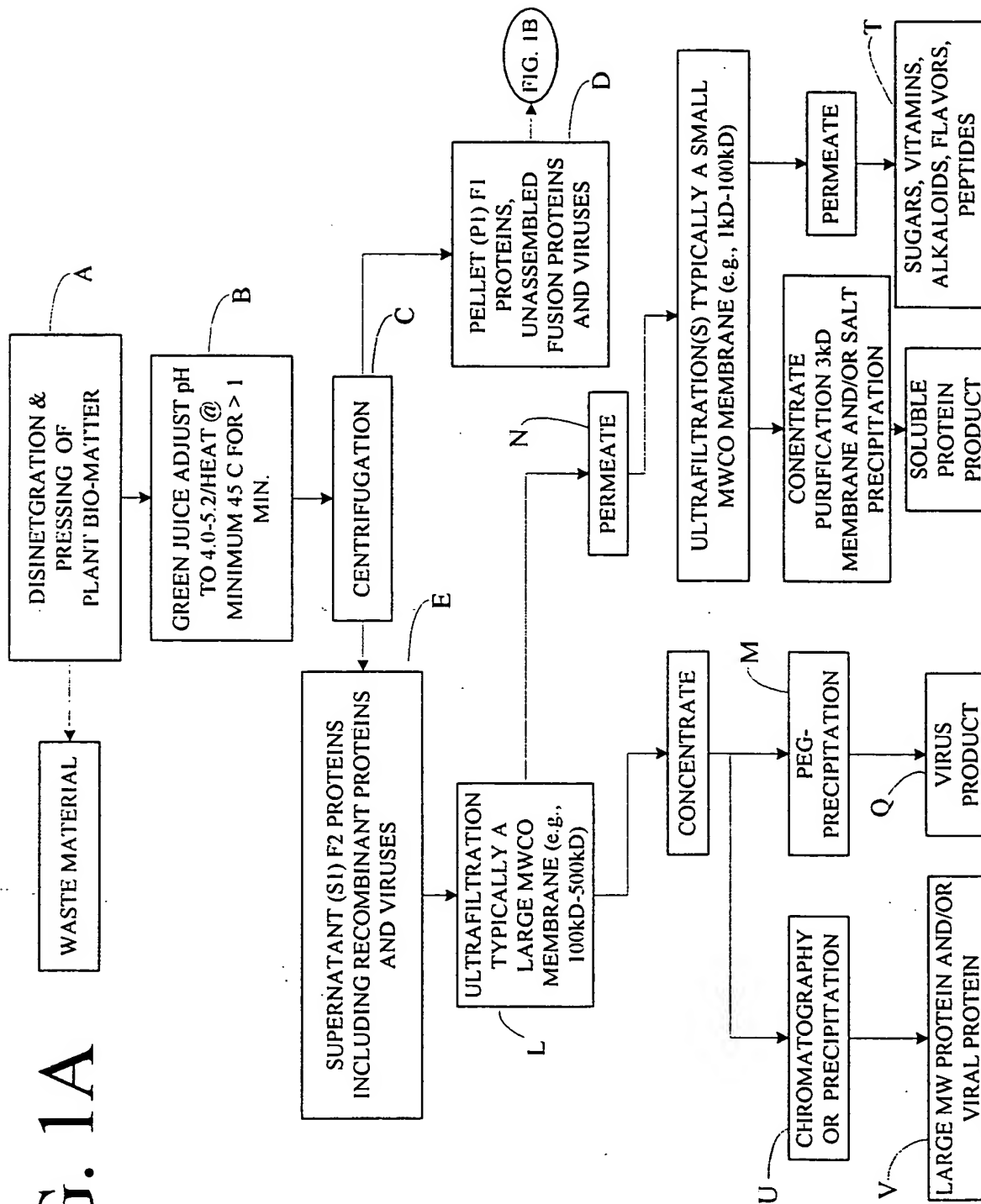
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# FIG. 1A



# FIG. 1B

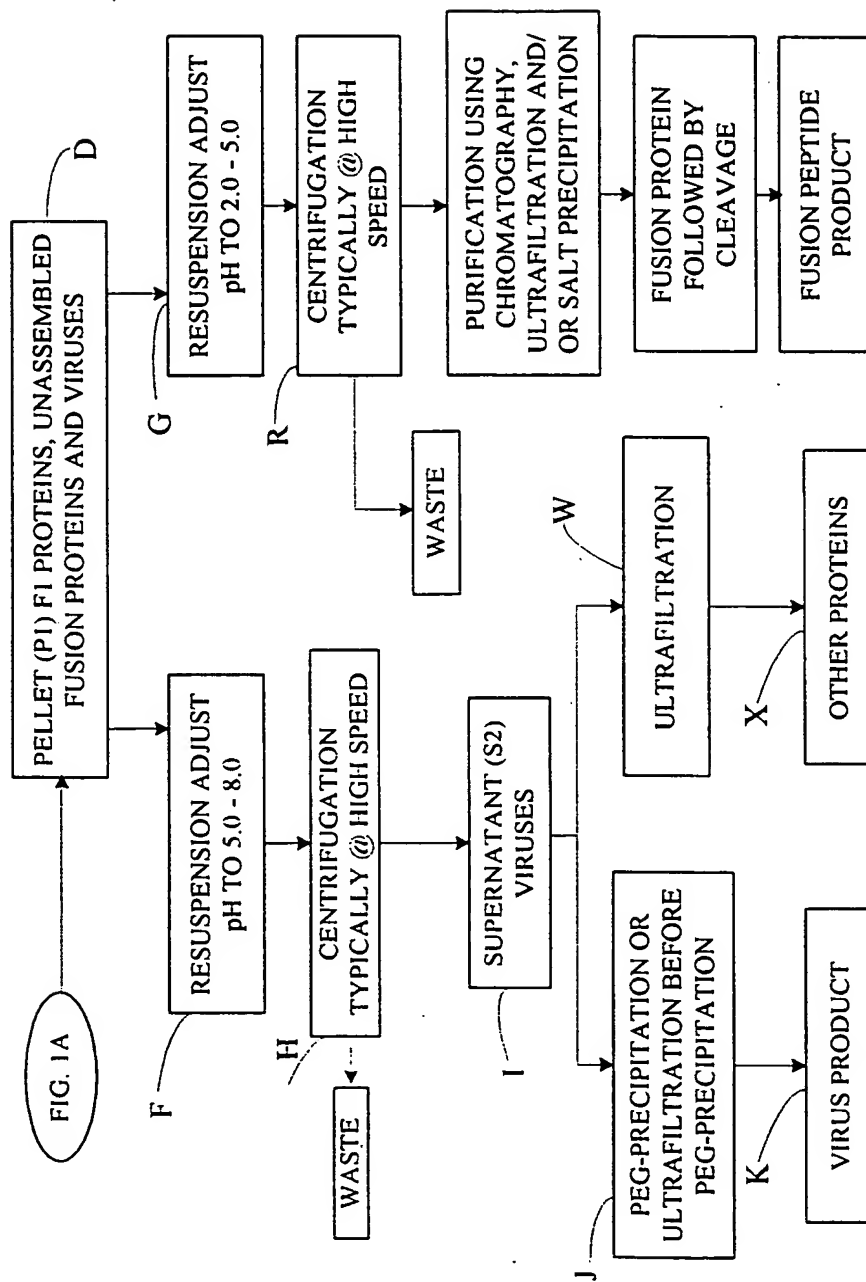


FIG. 2

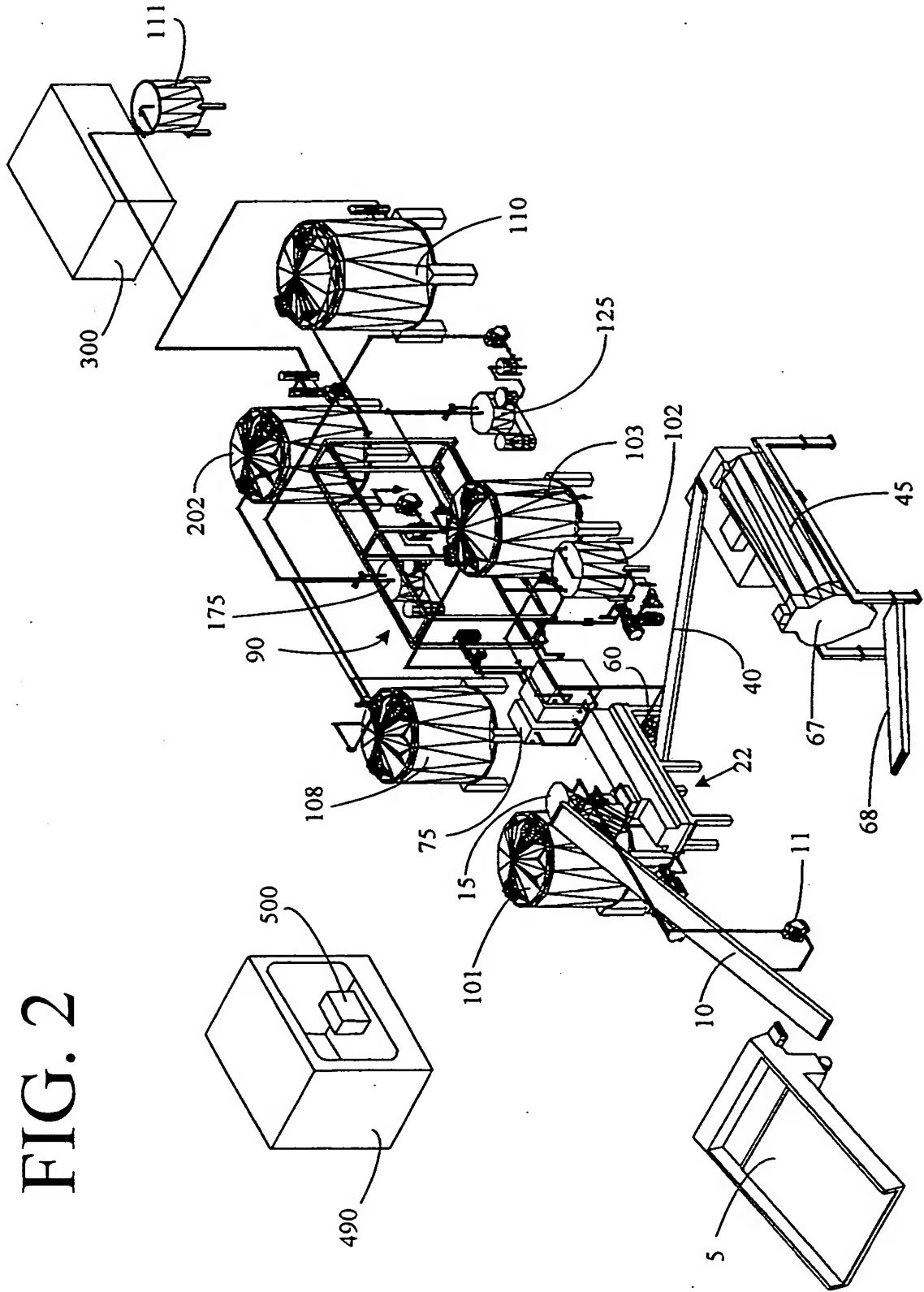


FIG. 3

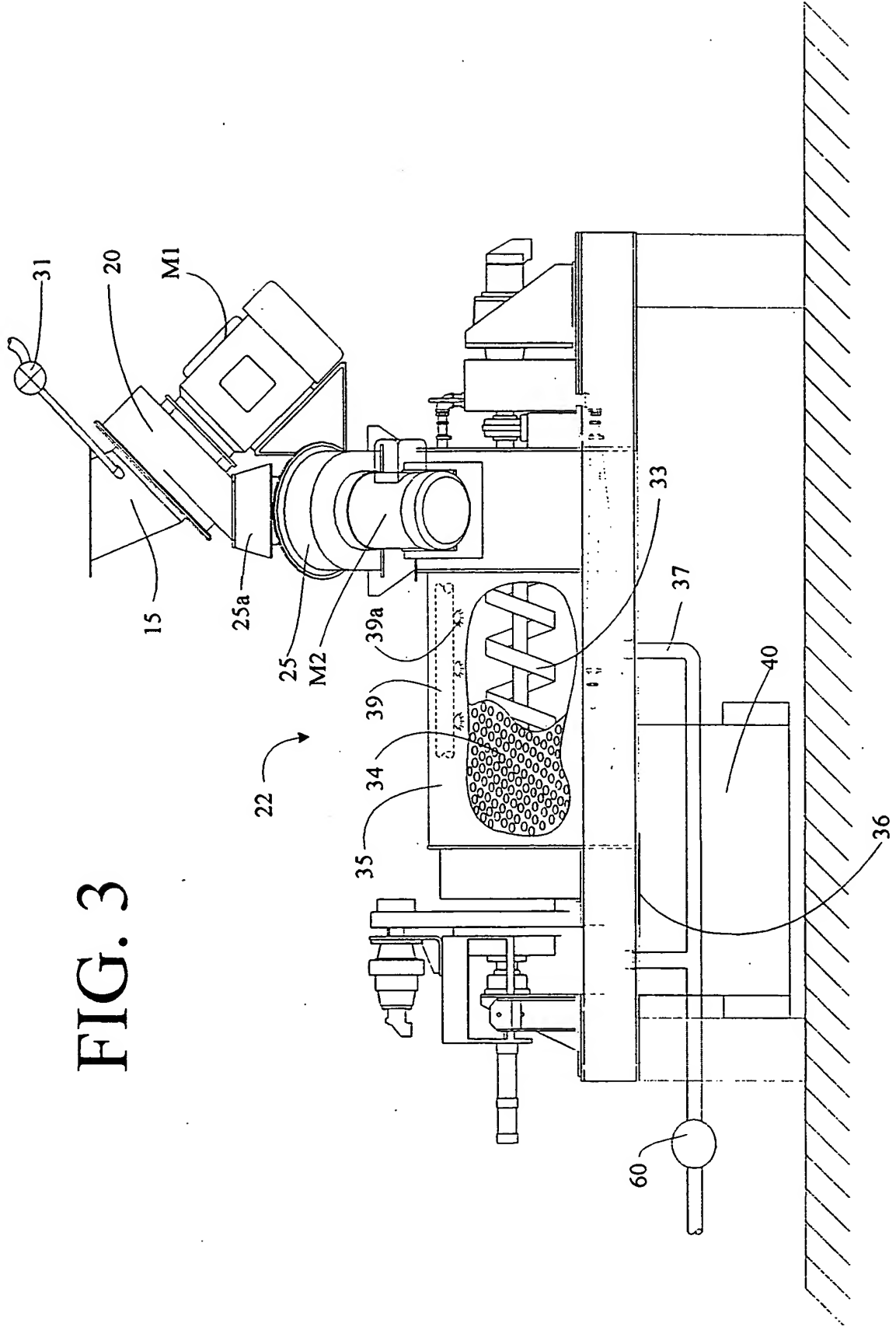


FIG. 4

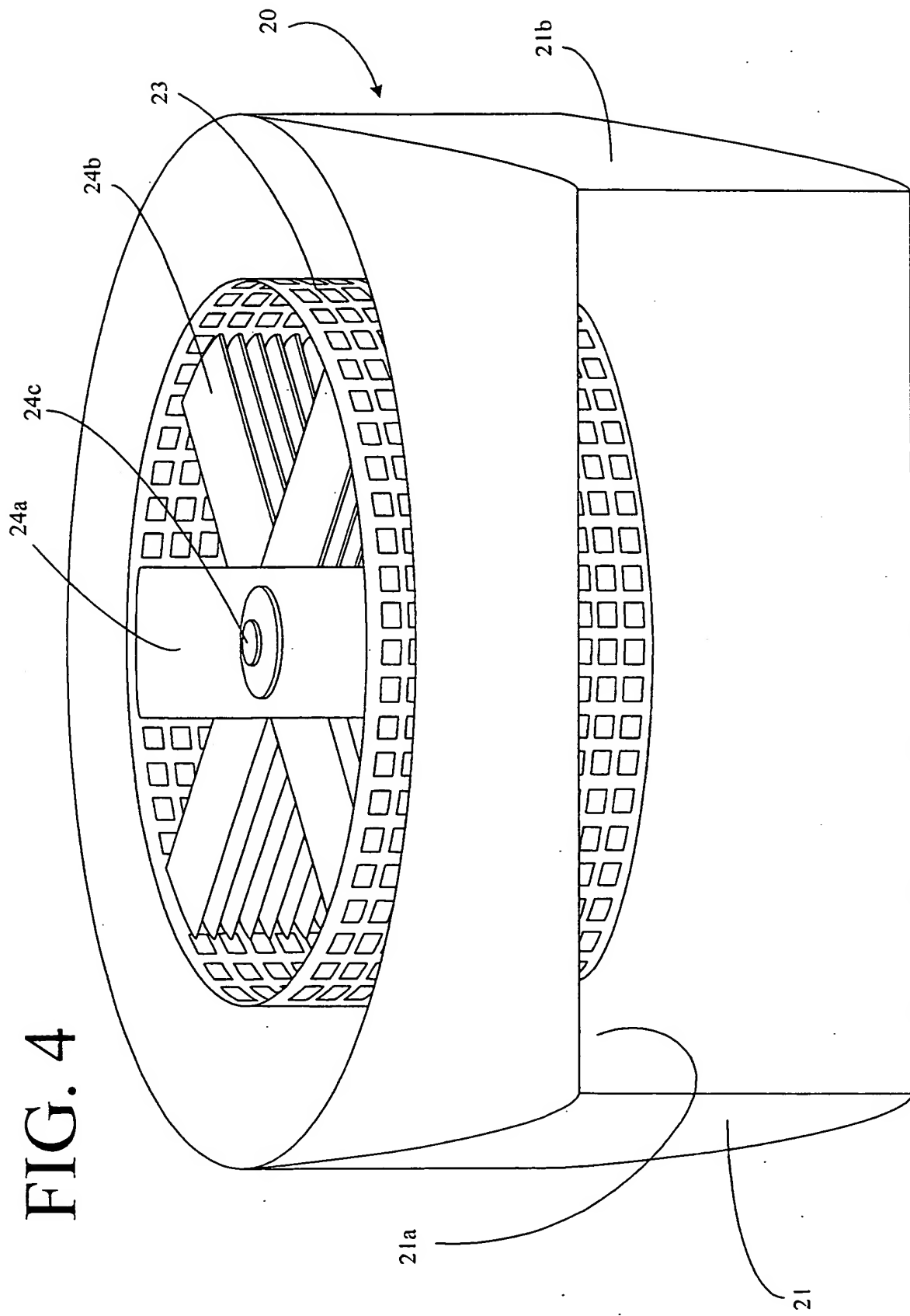


FIG. 5

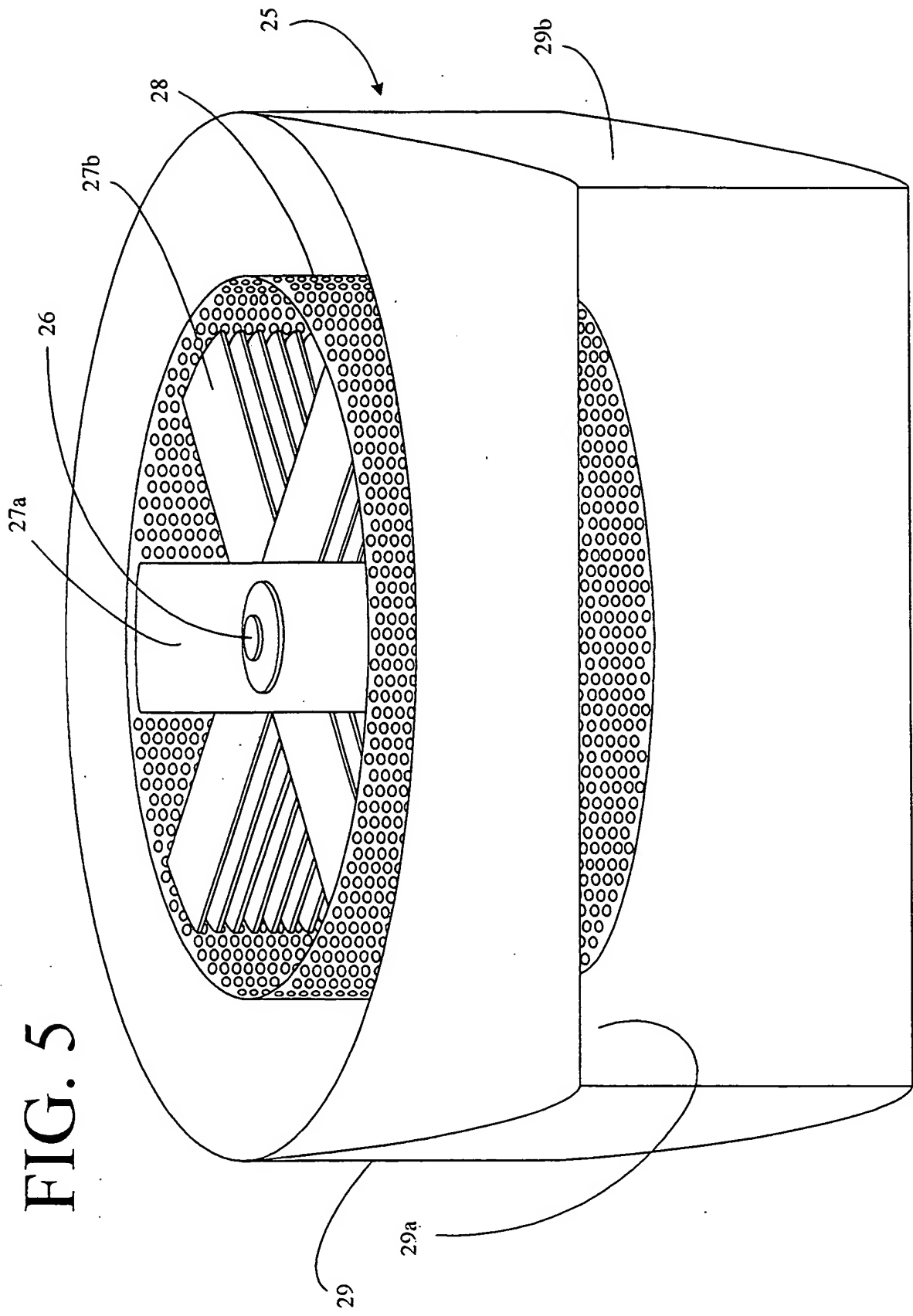


FIG. 6

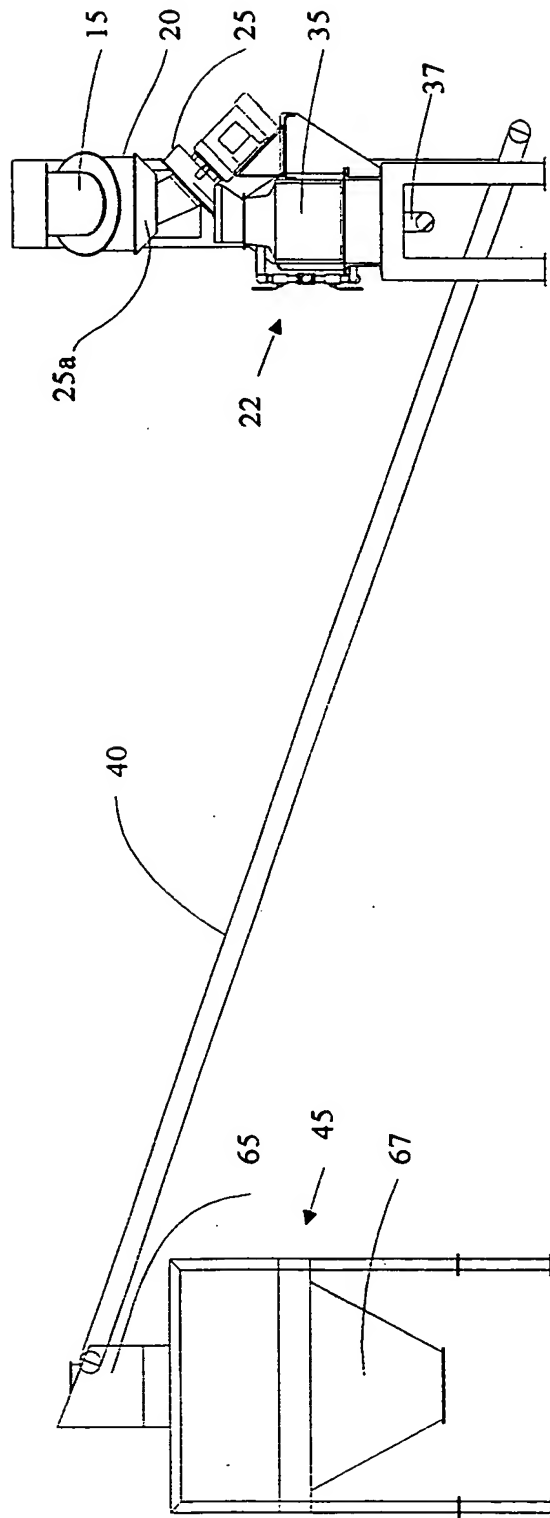




FIG. 7

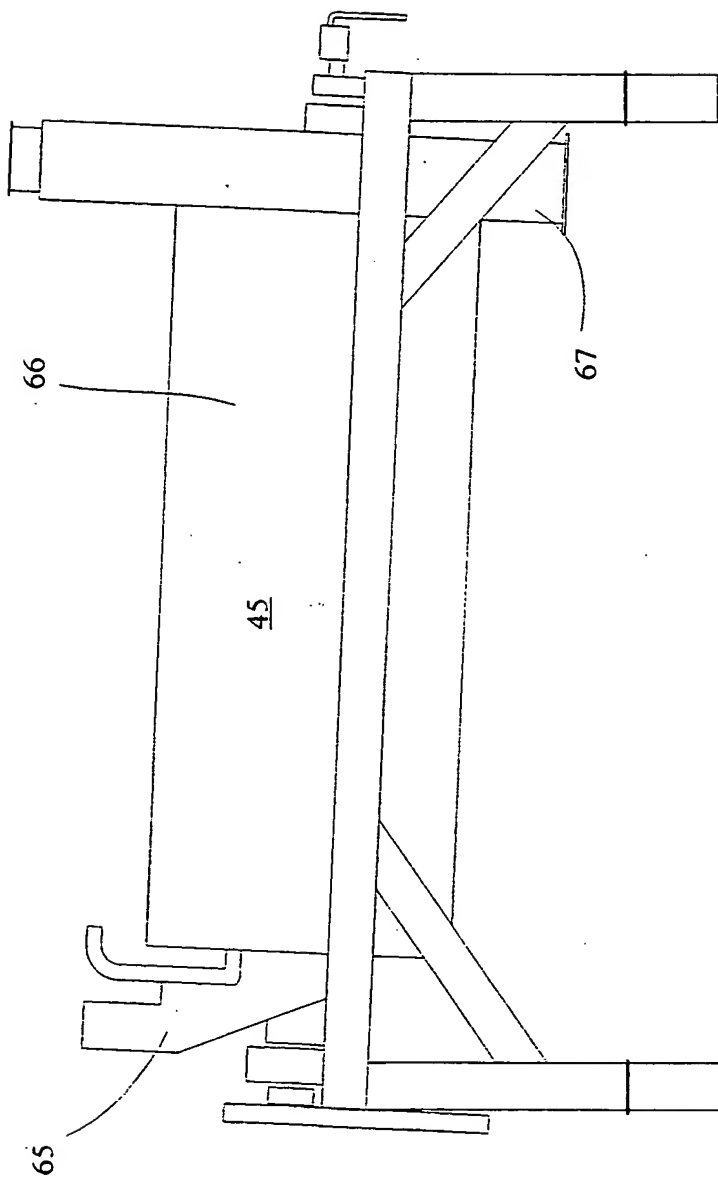


FIG. 8

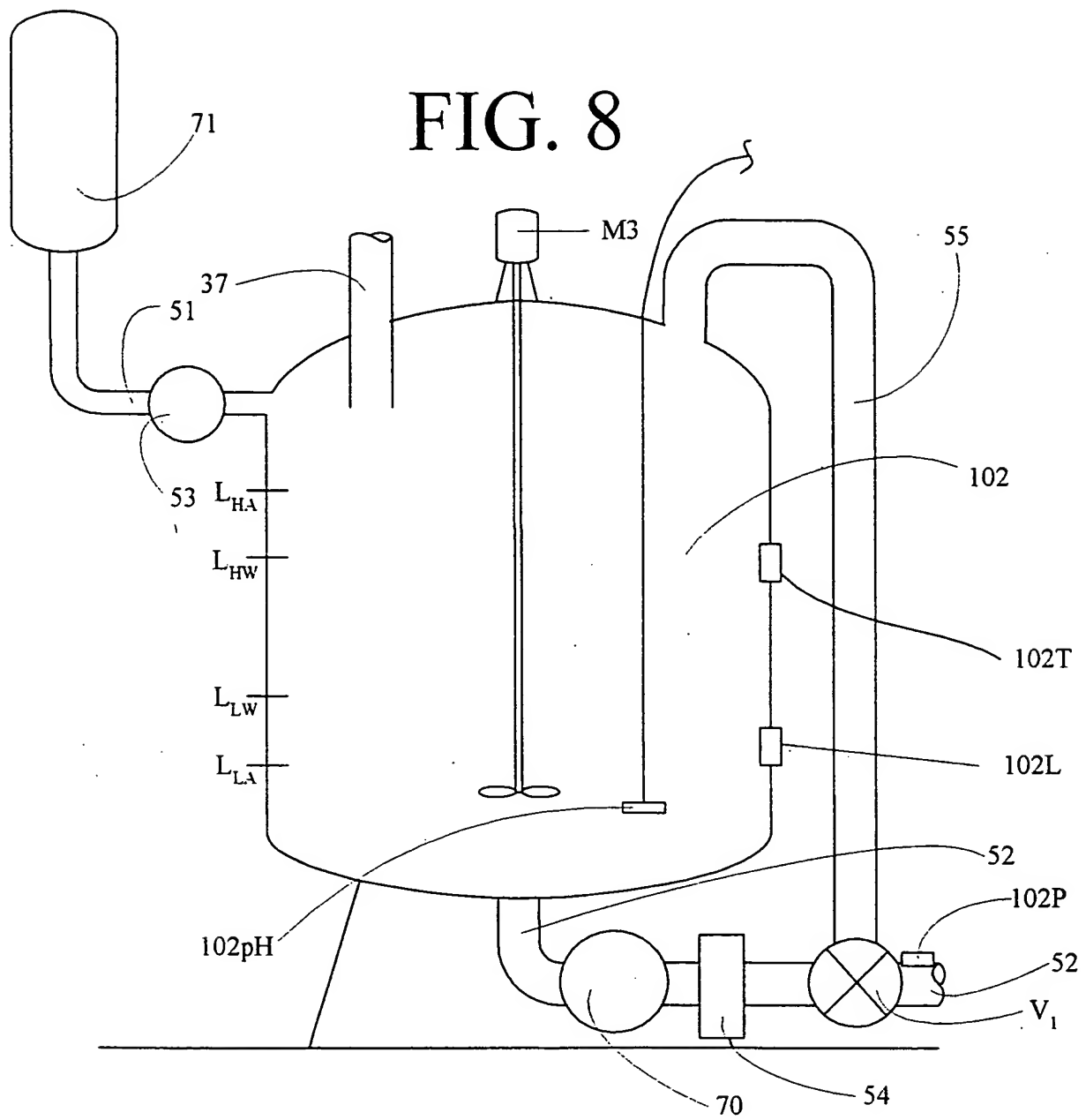


FIG. 9

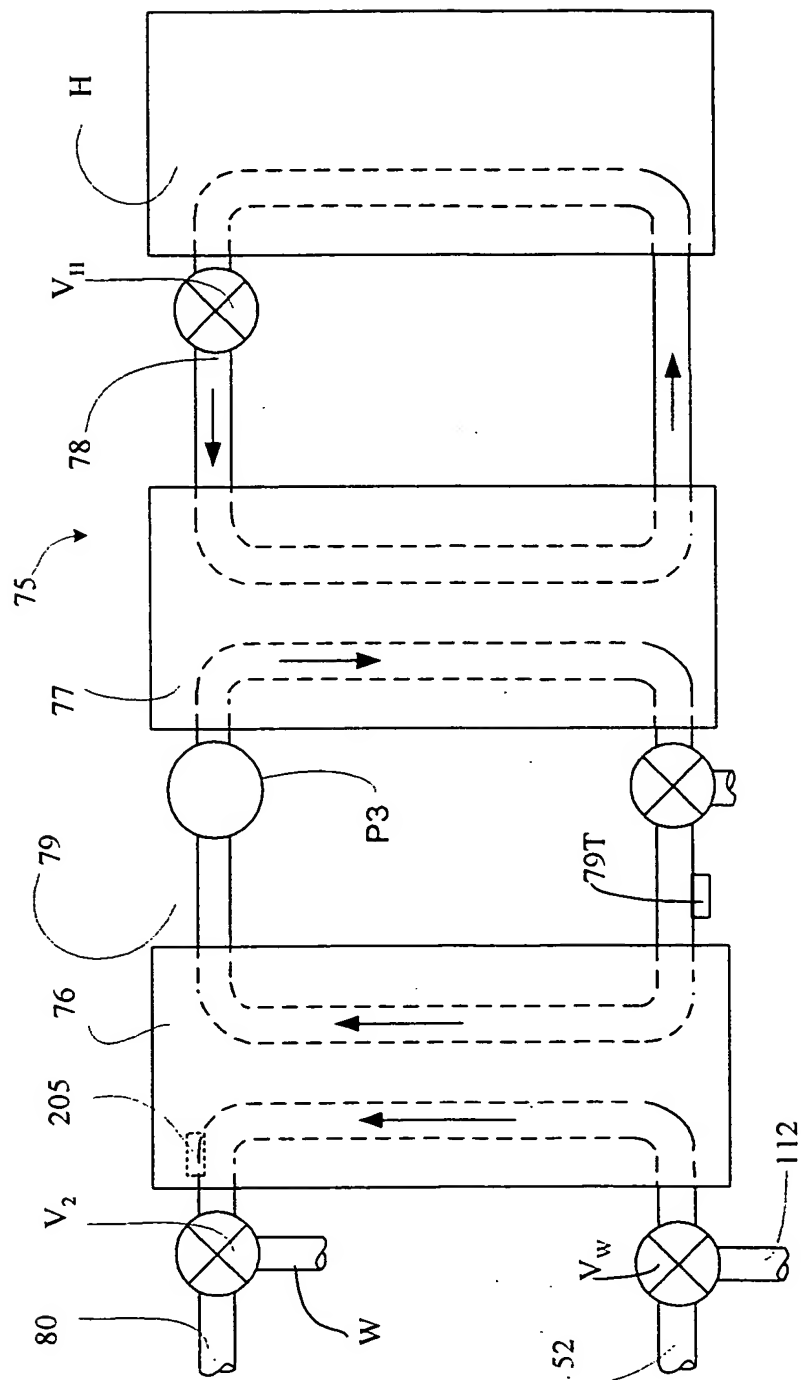


FIG. 10

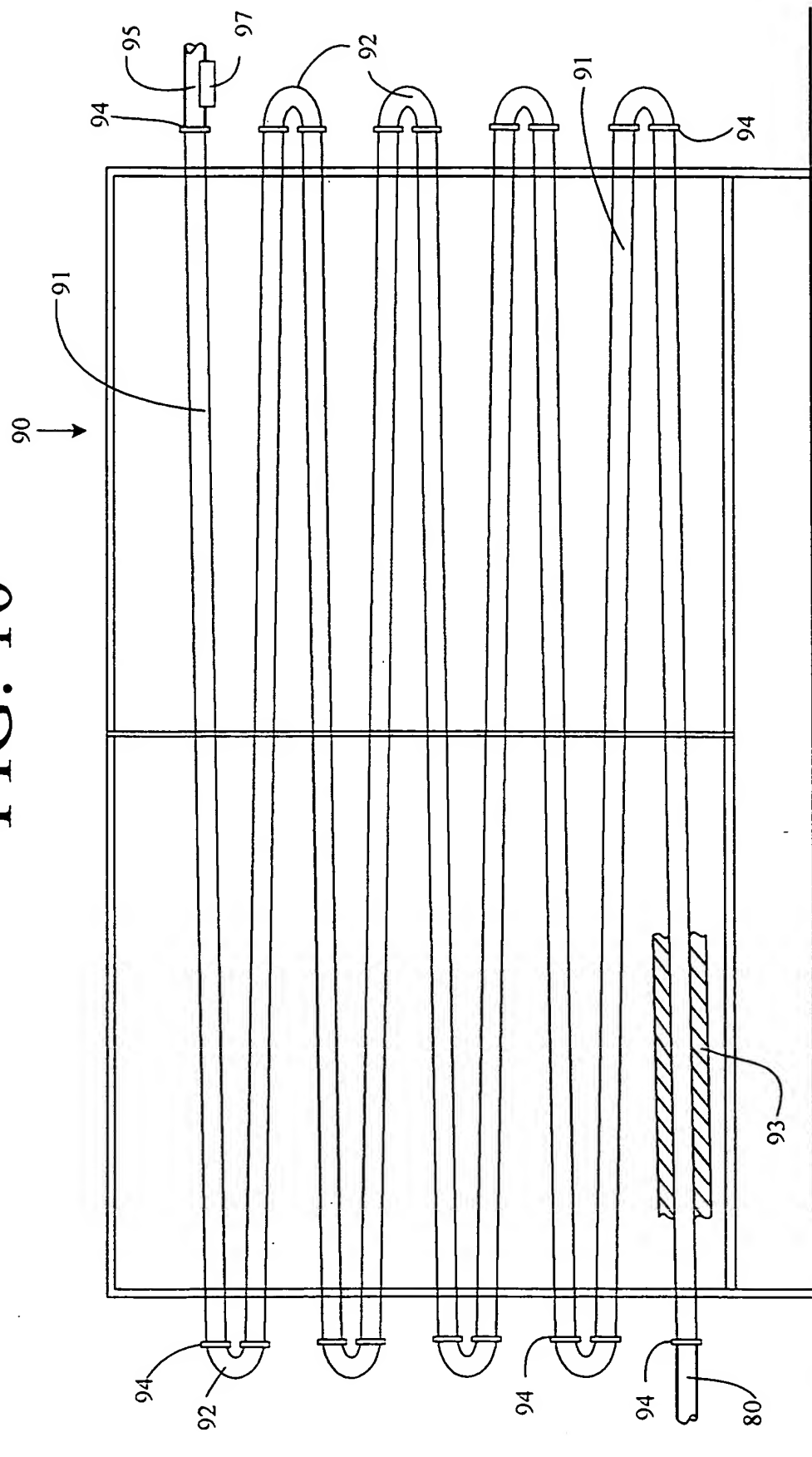


FIG. 11

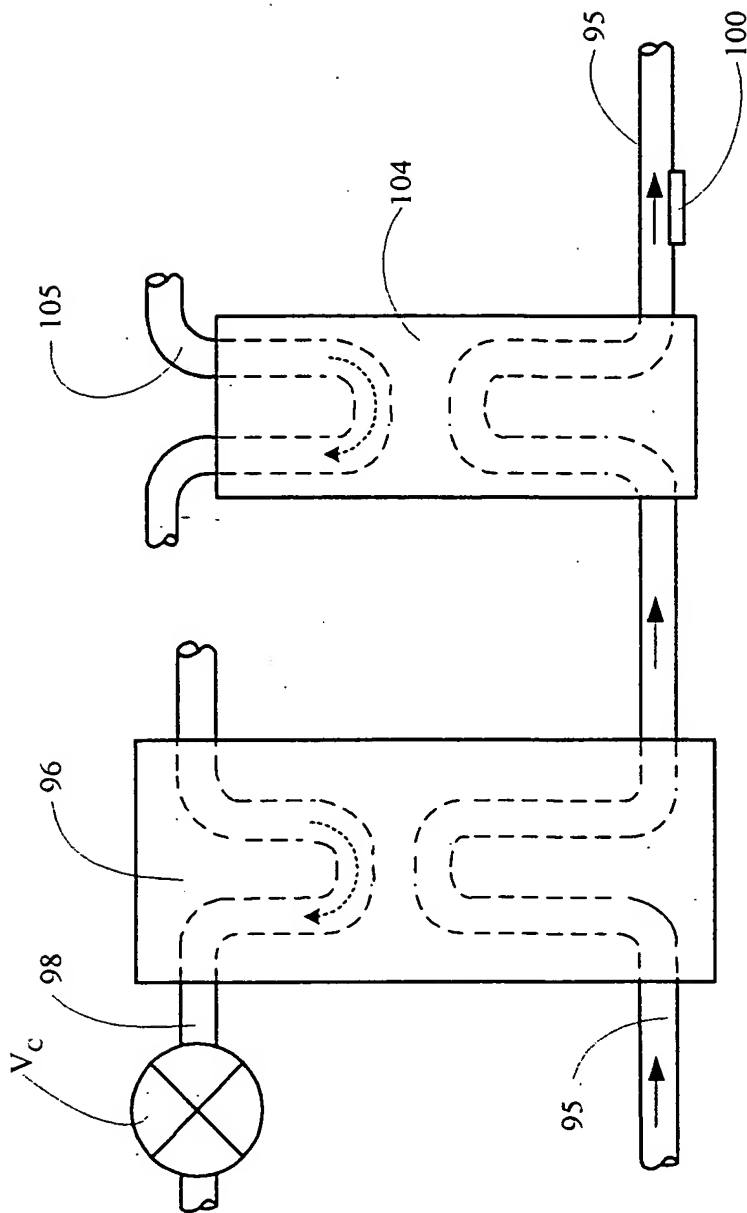


FIG. 12

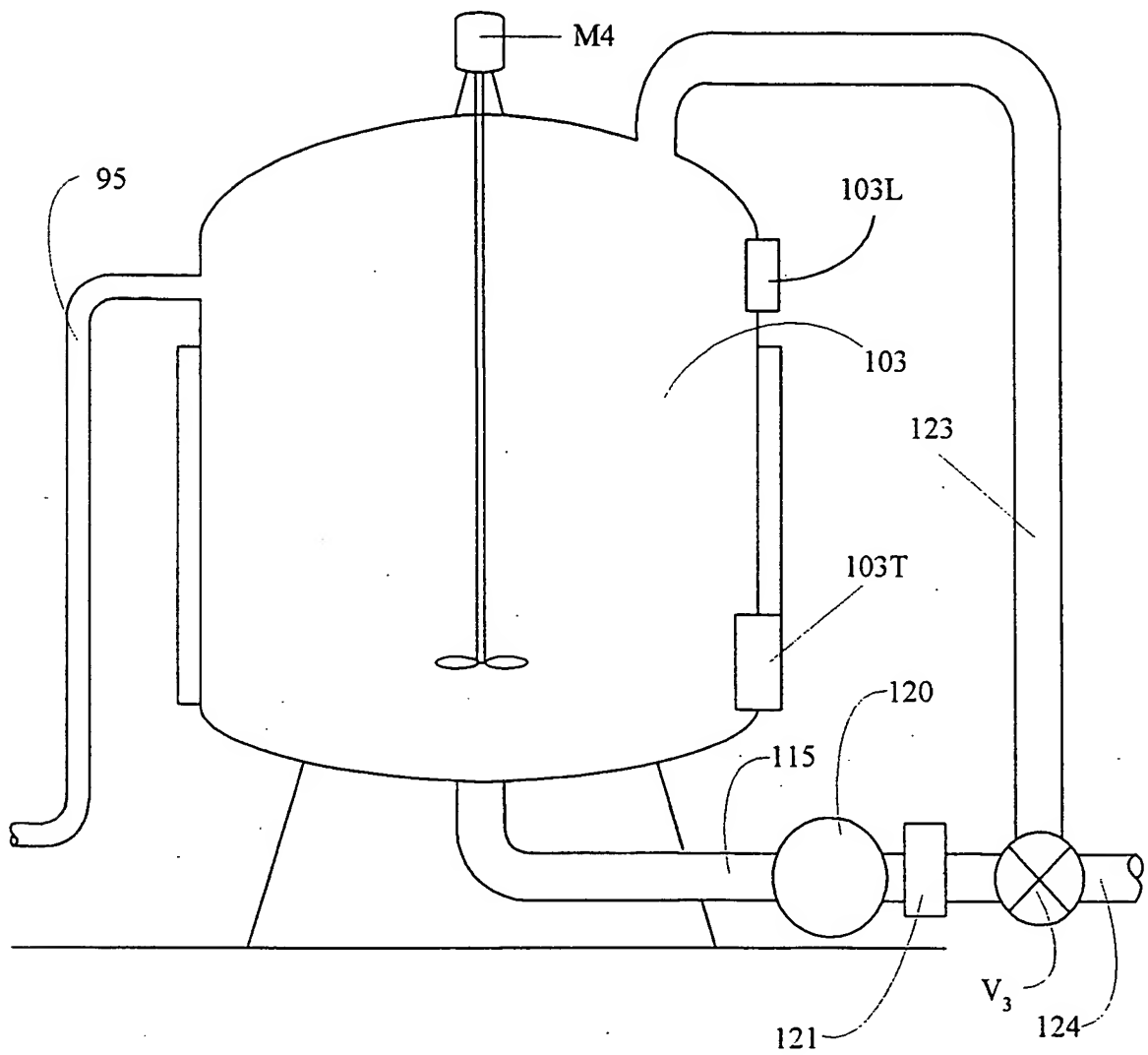
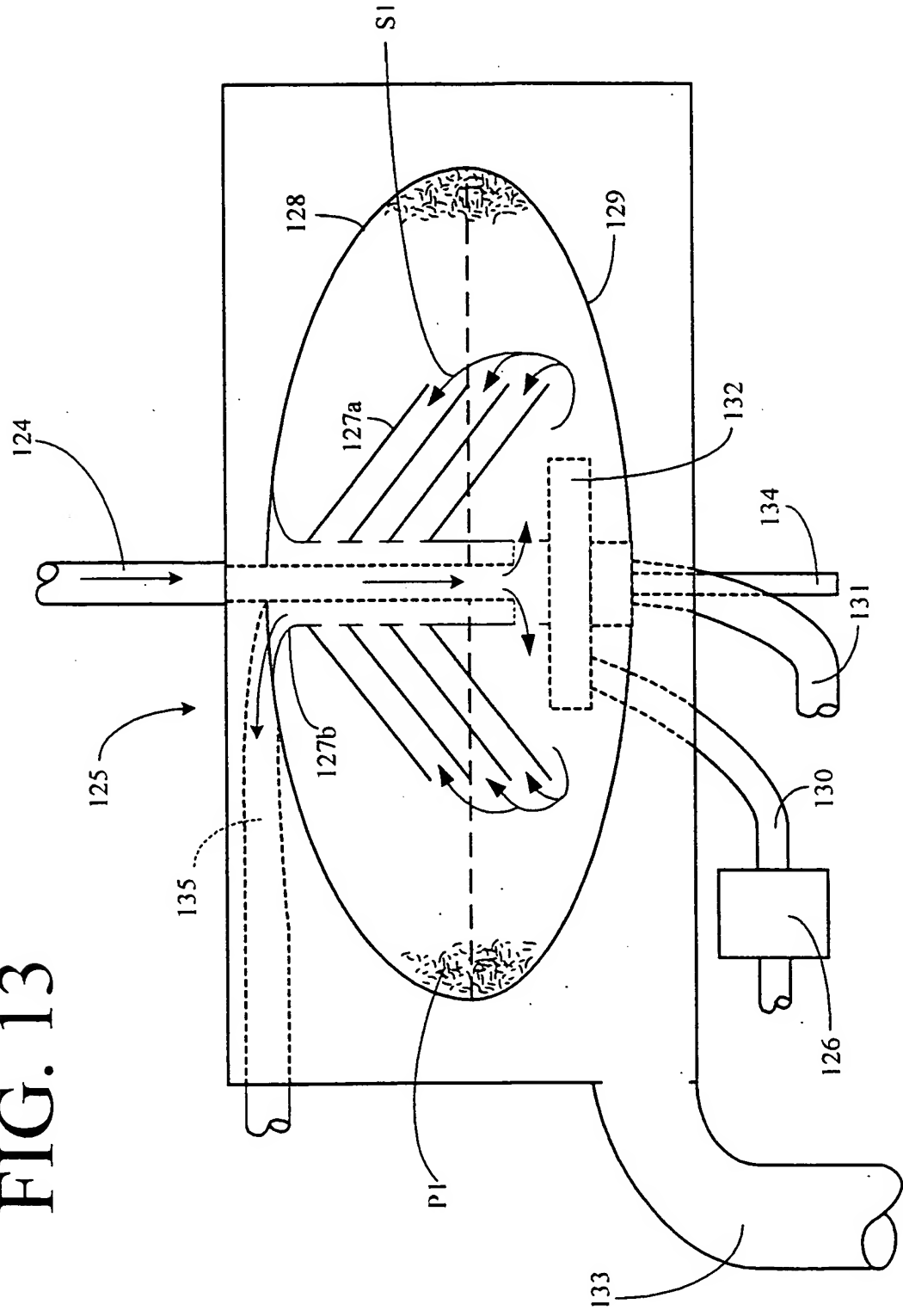
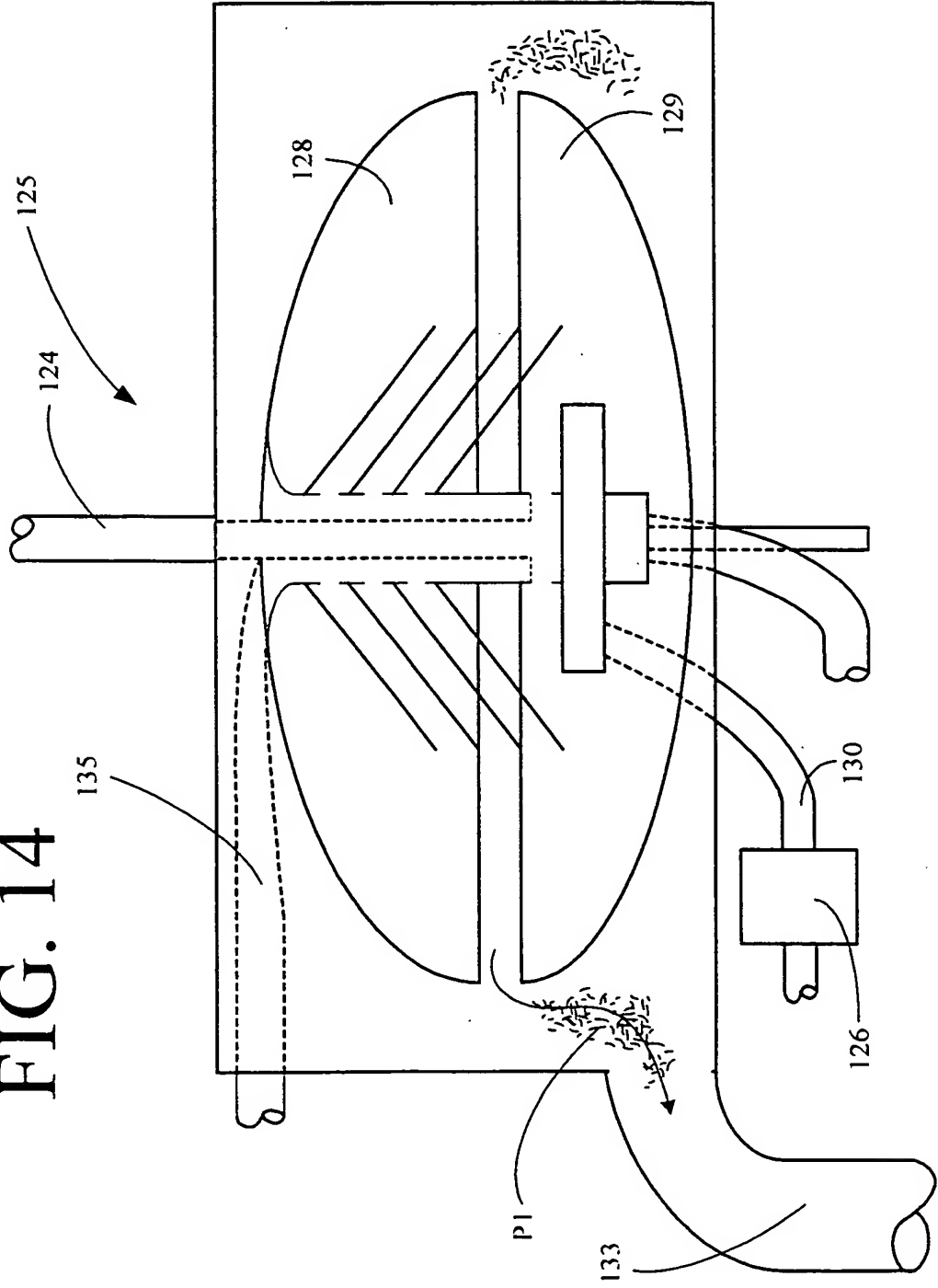


FIG. 13



**FIG. 14**

FIG. 14 is a schematic diagram of a medical device, likely a catheter or probe, shown in a cross-sectional view. The device has a main body with a central channel (124) and side channels (125, 126). A piston (128) is located within the central channel. A fluid inlet (129) is at the top, and a fluid outlet (130) is at the bottom. A fluid reservoir (133) is connected to the side channel (126) via a tube (135). A fluid flow arrow (P1) indicates the direction of flow from the reservoir into the side channel. The device is shown in a cross-sectional view.





# FIG. 15

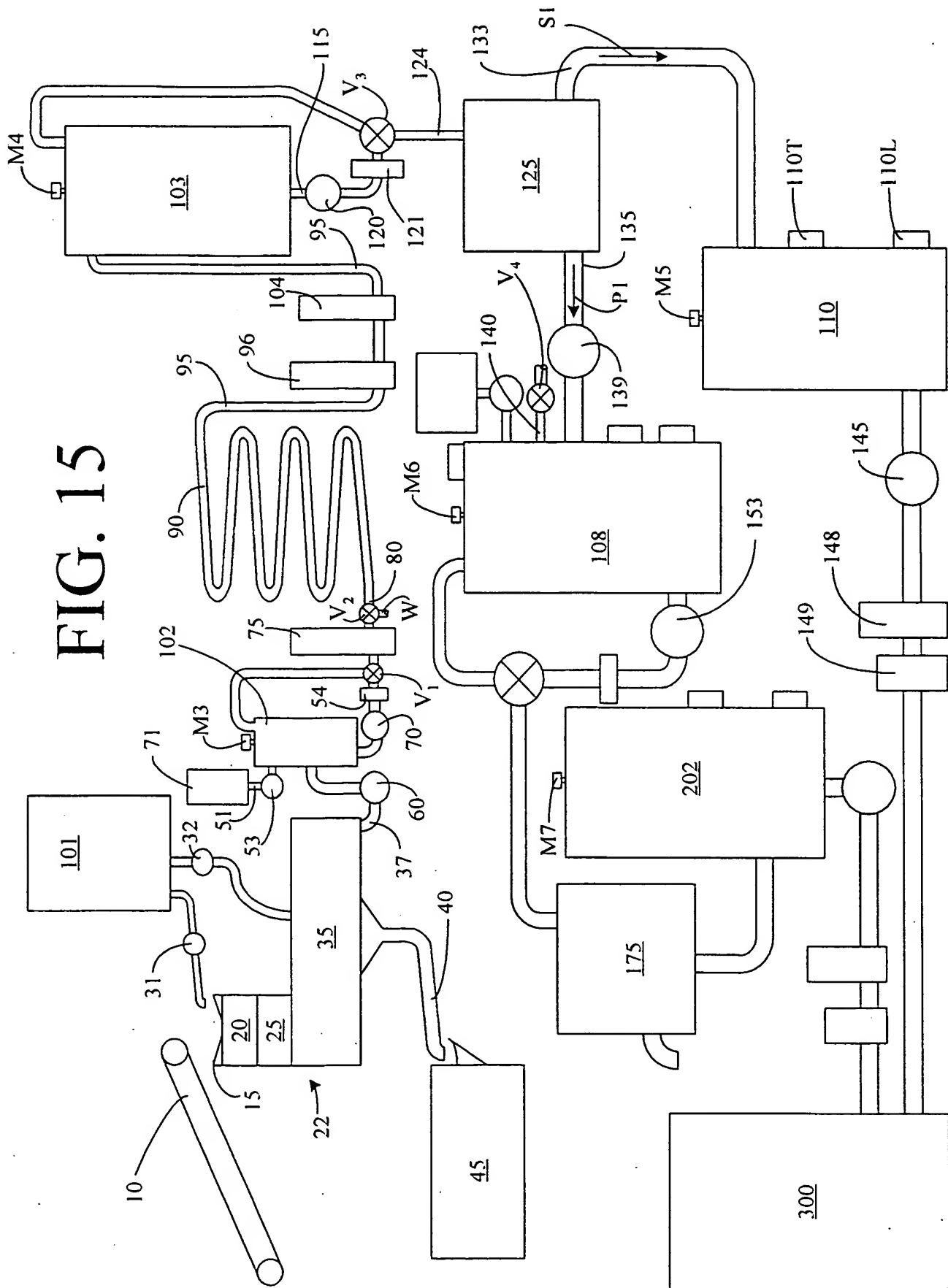


FIG. 16

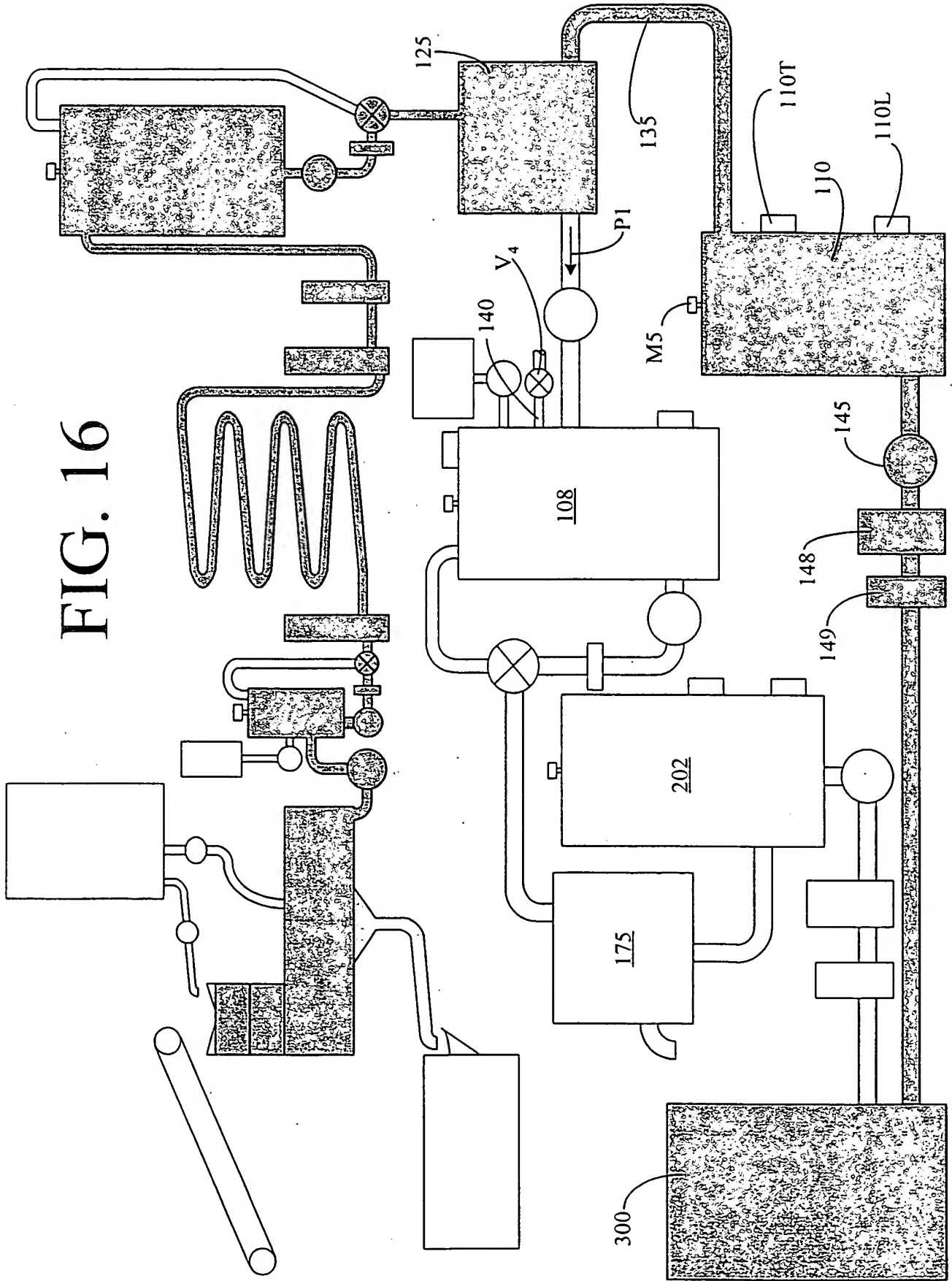
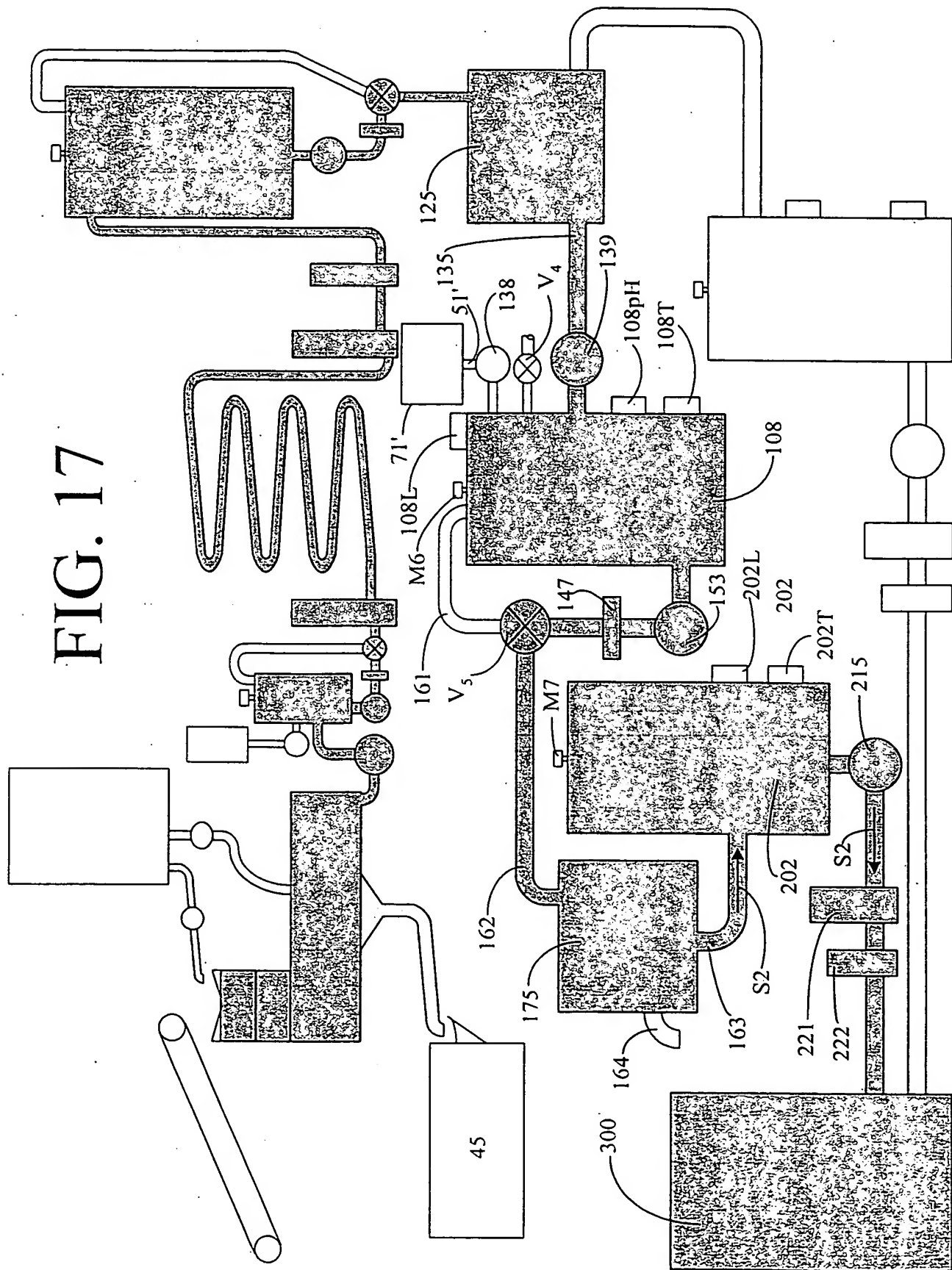


FIG. 17



# FIG. 18

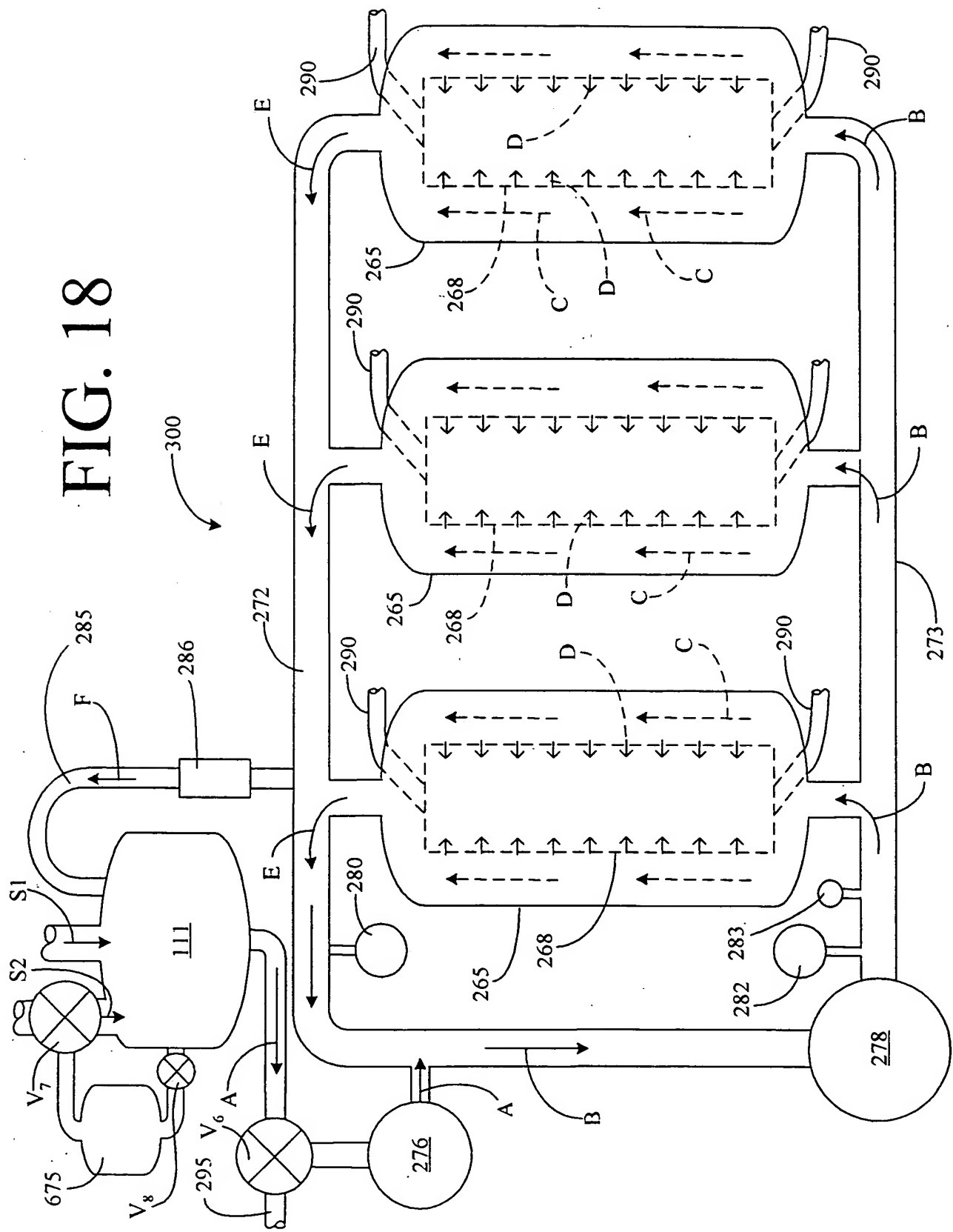
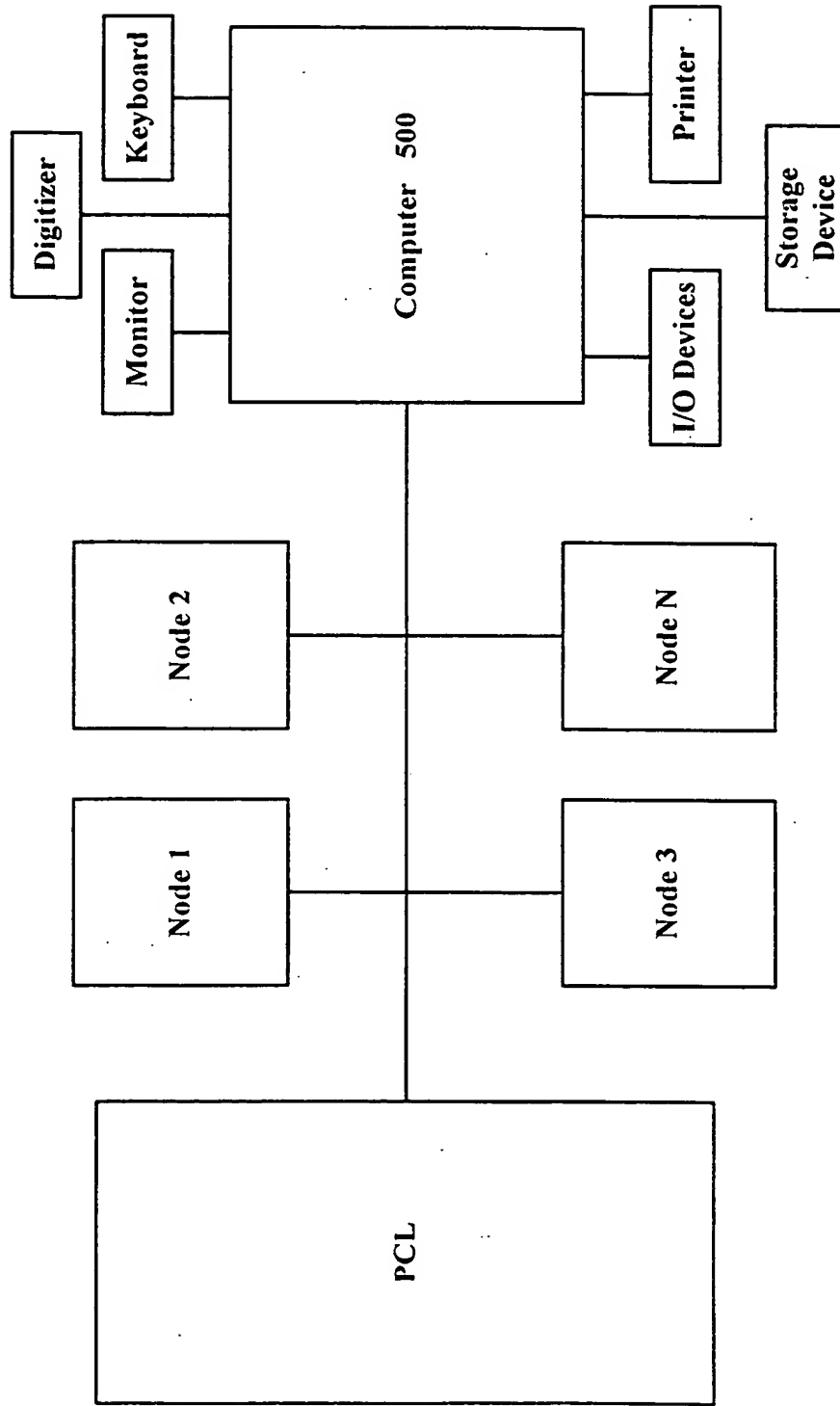
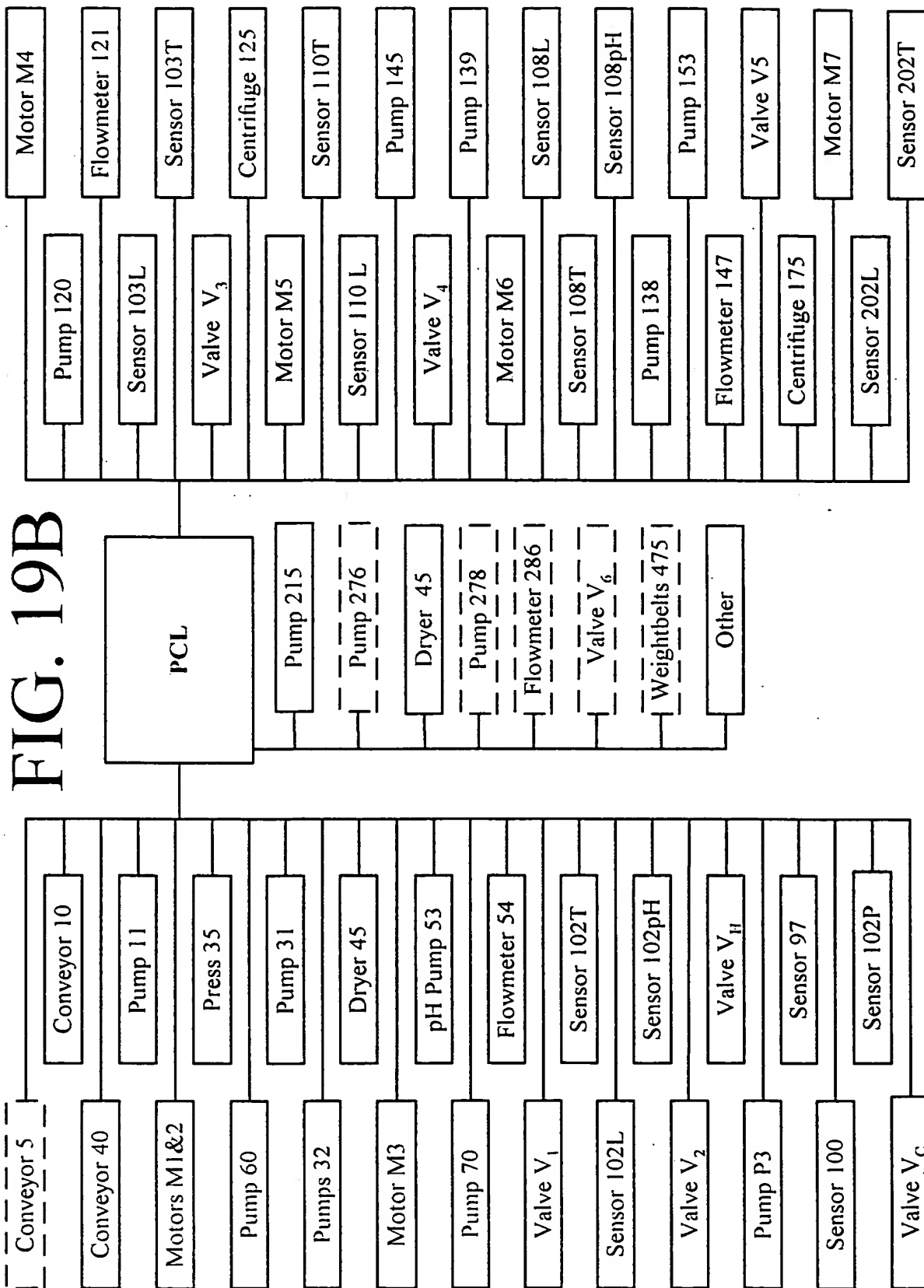


FIG. 19A





# FIG. 20

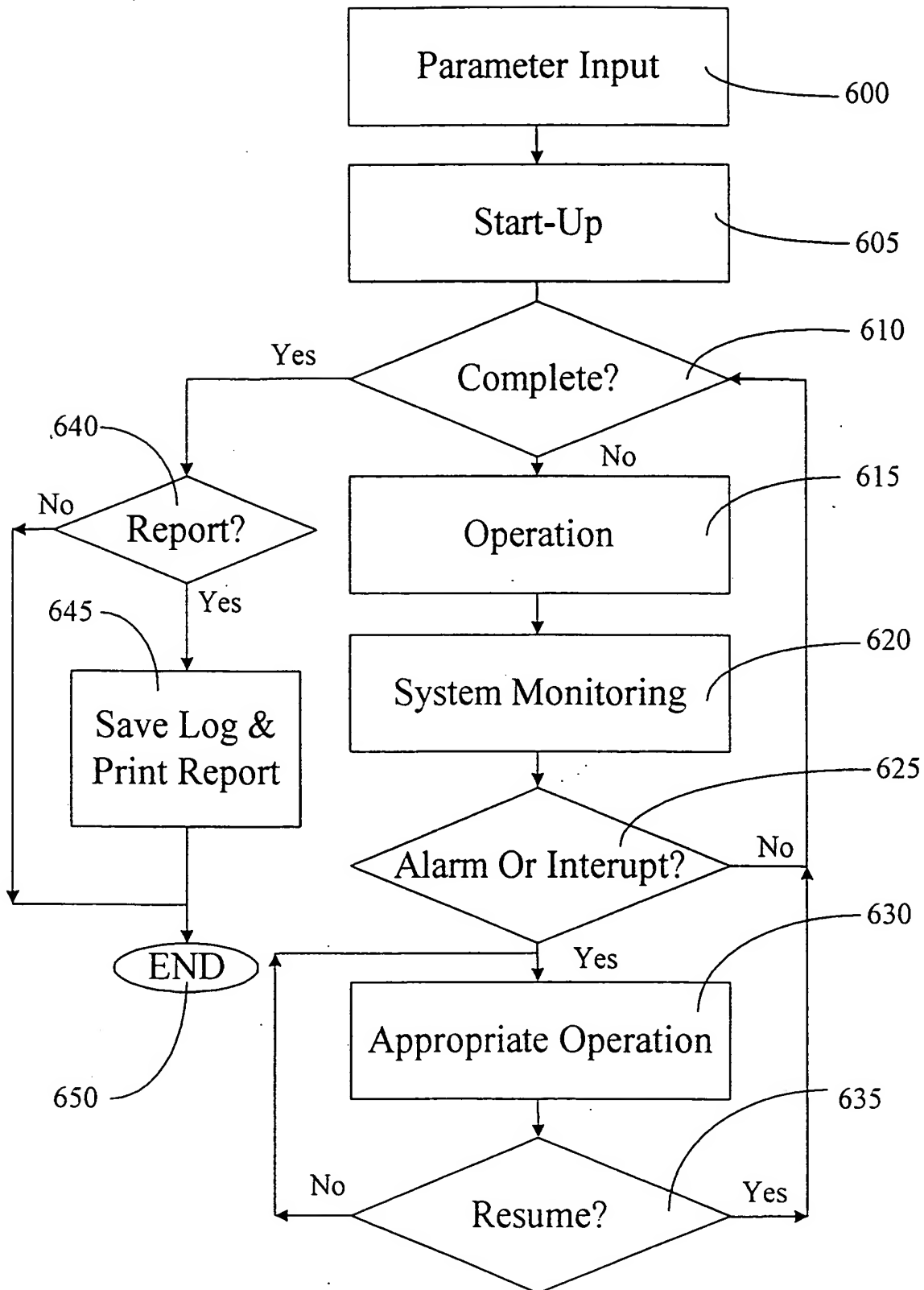


FIG. 21

Batch Configuration	
Batch Number: The format for the Batch number is X#####.##	
RECIPE_FILE_RP	
Recipe	Mode
<div><div></div><div></div><div></div></div>	<div><div><input type="radio"/> Auto</div><div><input type="radio"/> Semi-Auto</div><div><input type="radio"/> Maintenance</div><div><input type="radio"/> CIP</div></div>
Modify Recipe	Start
New Recipe	
All Equipment Auto	View Recipe
End Maintenance Mode	Print Report
CIP Control	End Batch
Central Control Revision:	



# FIG. 22

Recipe		Centrifuge 1	Centrifuge 2	Ultrafiltration
Heat Treatment	Sol Prep	GJ Extract	pH Adjustment	
Save	Save As	Delete	Exit	
Water Flow To Disintegrator	Text1	0 - 30 lpm		
Water Flow To Press	Text1	0 - 30 lpm		
Agitator 101 Speed	Text1	0 - 100 %		
Tank 101 Mix Time	Text1	0 - 4095 Sec		
Concentration of buffer	Text1	0 - 1000 grams/liter		
Grinder 1 Speed	Text1	0 - 100 %		
Ideal pH in Tank 102	Text1	0 - 1400 pH		
Agitator 102 Speed	Text1	0 - 100 %		
Pump 102 Flow Rate	Text1	0 - 303 lpm		
Temp. Setpoint for Hold Tube	Text1	0 - 202 C		
Max Hold Time	Text1	0 - 4095 Min		
Holding Tube Configuration	Hold Config A			
Agitator 103 Speed Output	Text1	0 - 100 %		
Agitator 110 Speed Output	Text1	0 - 100 %		
Green Juice Flow to Centrifuge 1	Text1	0 - 303 lpm		
Centrifuge 1 Shot Frequency	Text1	0 - 1500 Sec		
Recipe Type	S1			
Ideal pH in Tank 108	Text1	0 - 1400 pH		
Agitator 108 Speed Output	Text1	0 - 100 %		
Agitator 202 Speed Output	Text1	0 - 100 %		
Centrifuge 2 Shot Frequency	Text1	0 - 1500 Sec		
Tank 108 Initial Make-Up Water	Text1	0 - 4000 Liters		
Tank 108 Fill Water % of GJ	Text1	0 - 100 %		
Green Juice Flow to Centrifuge 2	Text1	0 - 303 lpm		

## Recipe Overview

**Accept Recipe**  
**Accept Recipe (Supervisor Required)**



FIG. 25

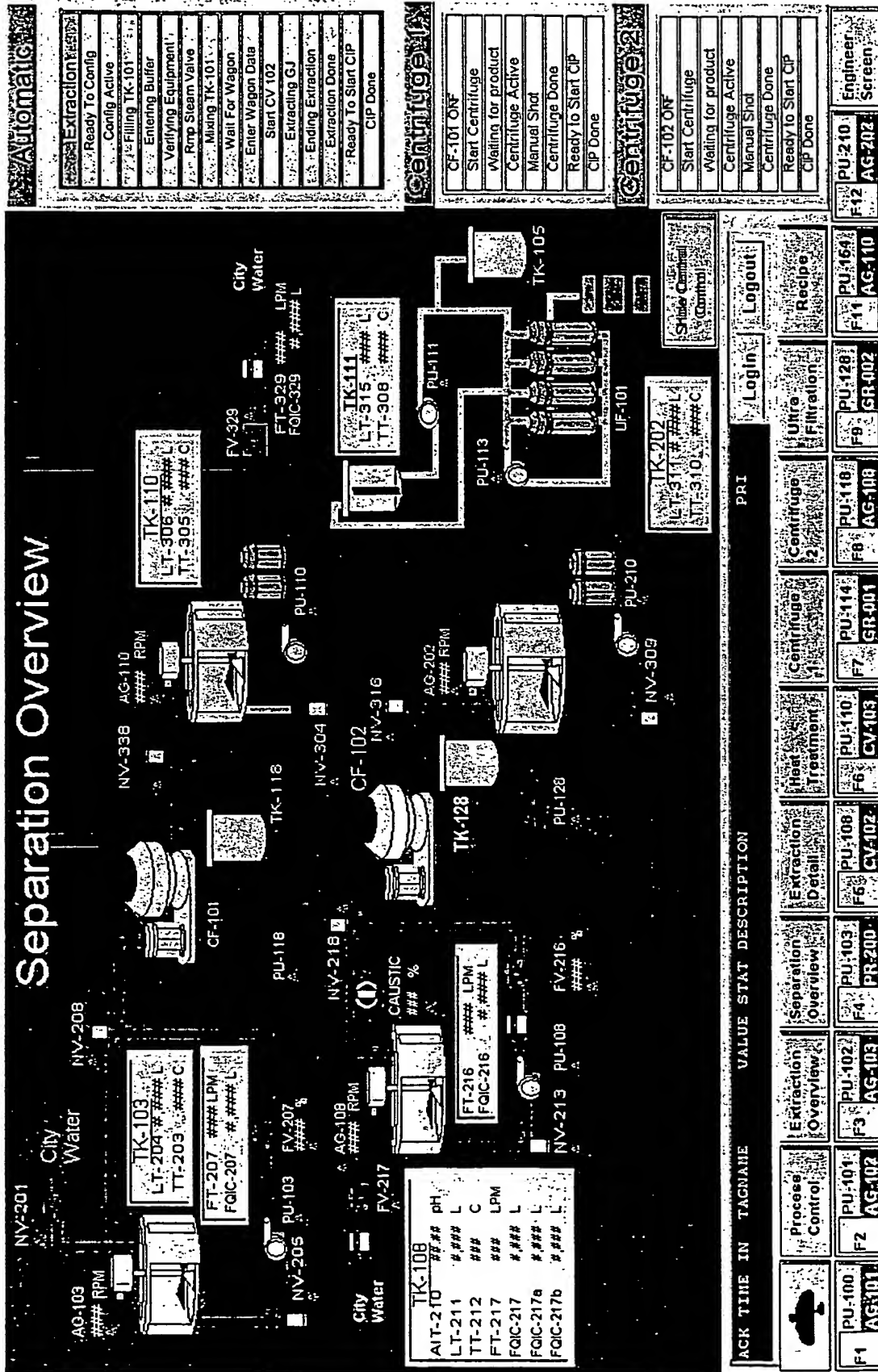
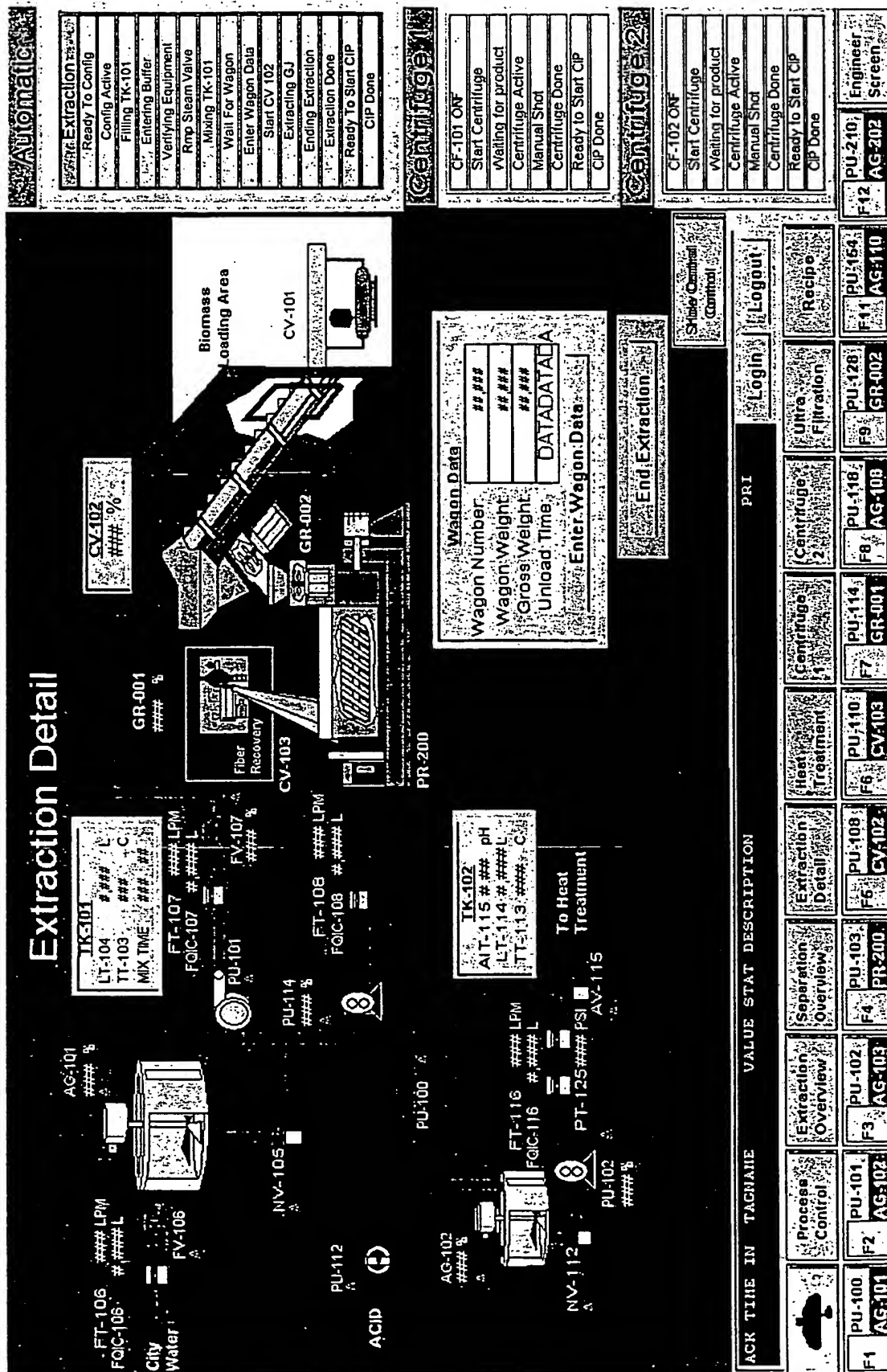
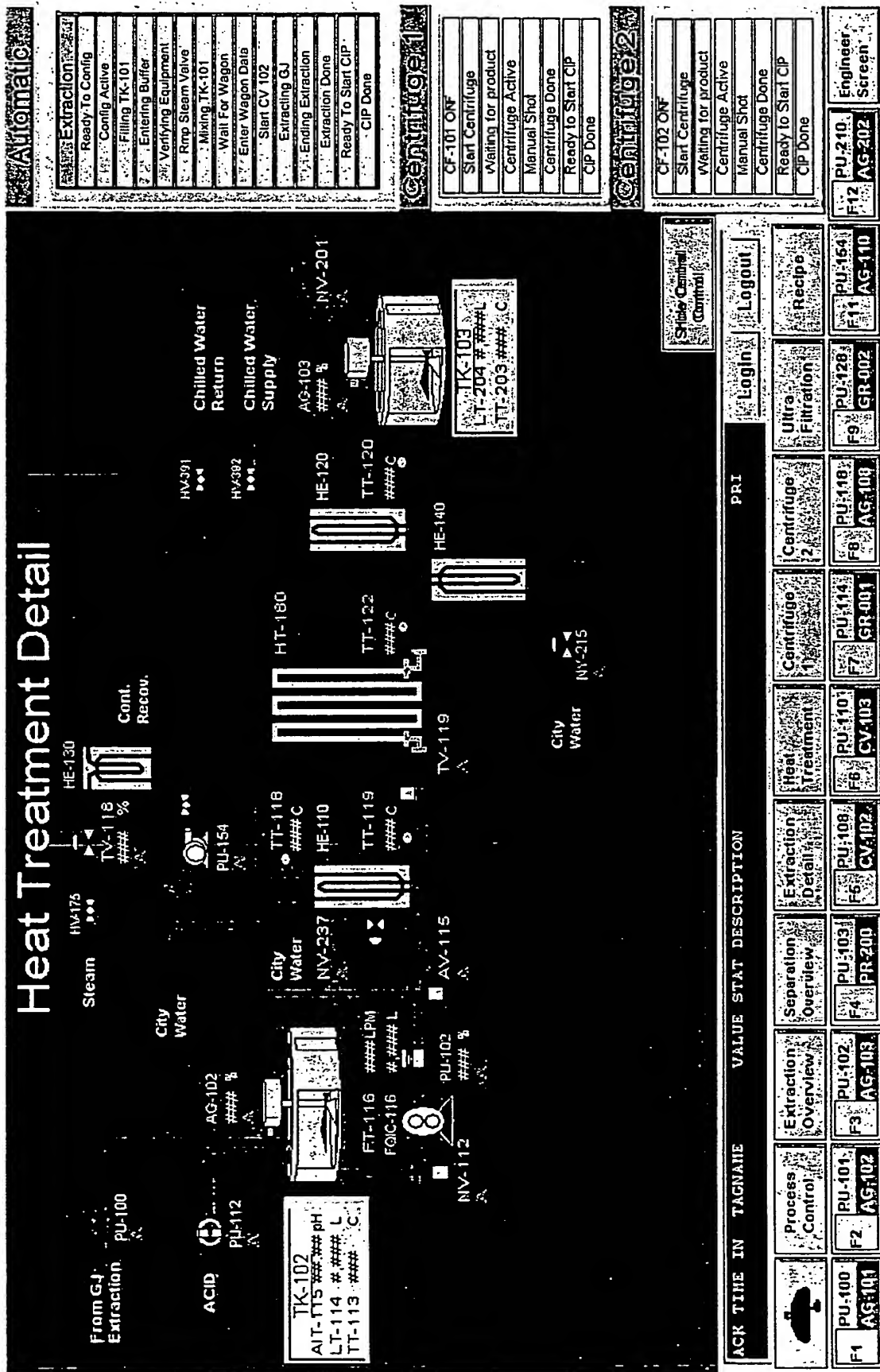


FIG. 26



# FIG. 27







# FIG. 29

## Centrifuge 2

From TK-110 (Surge)

City Water

TK-108

AIT-210 ### pH

LT-211 ### L

TT-212 ### C

FT-217 ### LPM

FGIC-217 ### L

FGIC-217a ### L

FGIC-217b ### L

CAUSTIC

PU-212 ### %

AG-108 ###RPM

FV-217

FT-216: ### LPM

FGIC-216: # ### L

NV-213 PU-108

NV-216 ### %

TK-102  
 CF-102

TK-128  
 AG-202  
 ### RPM

TK-202  
 LT-311 # ###  
 TT-310 ### C

Number Of Seconds Until Next Shot: ### ###

Click On Value To Adjust Setpoint  
Setpoint For FGIC-217b: ###

Accept

### Automatic

Ready To Config

Config Active

Filling TK-101

Entering Buffer

Verifying Equipment

Ramp Steam Valve

Mixing TK-101

Wait For Wagon

Enter Wagon Data

Start CV 102

Extracting GJ

Ending Extraction

Extraction Done

Ready To Start CIP

CIP Done

### Centrifuge 1

CF-101 ON

Start Centrifuge

Waiting for product

Centrifuge Active

Manual Shot

Centrifuge Done

Ready To Start CIP

CIP Done

### Centrifuge 2

CF-102 ON

Start Centrifuge

Waiting for product

Centrifuge Active

Manual Shot

Centrifuge Done

Ready To Start CIP

CIP Done

TK-102

PU-128

AG-102

### RPM

TK-202

LT-311 # ###

TT-310 ### C

NV-309

To UF

Sys #1

End Rinse Cycle

Shower Control

Control

ACK TIME IN TAGNAME

VALUE STAT DESCRIPTION

PRI

Login Logout

Recipe

PU-100 AG-101

F1

PU-101 AG-102

F2

PU-102 AG-103

F3

PU-103 AG-104

F4

PU-104 AG-105

F5

PU-105 AG-106

F6

PU-106 AG-107

F7

PU-107 AG-108

F8

PU-108 AG-109

F9

PU-109 AG-110

F10

PU-110 AG-111

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PU-111 AG-112

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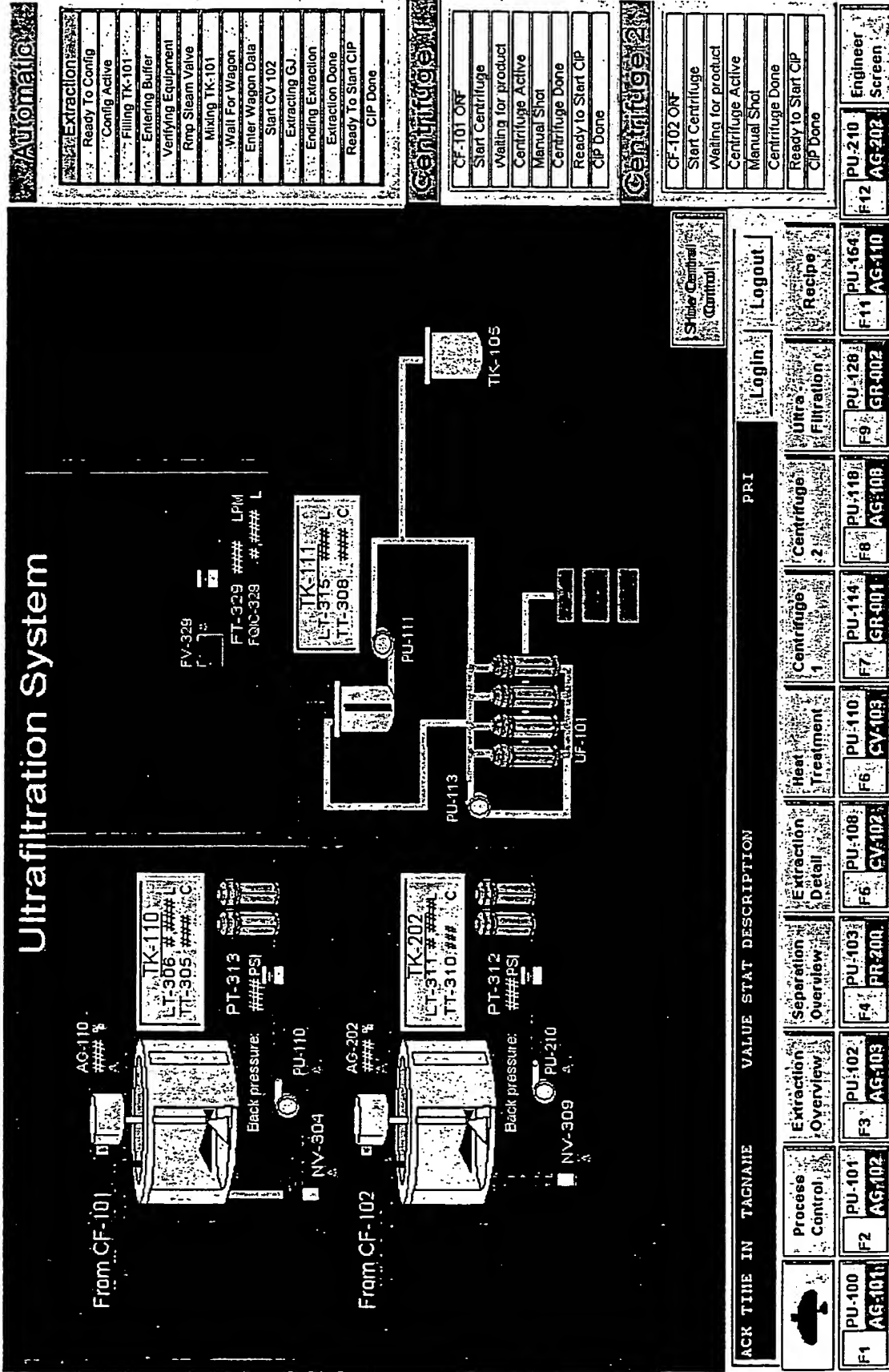
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# FIG. 30

## Ultrafiltration System



ACK TIME IN TAGNAME VALUE STAT DESCRIPTION



Process Control

Extraction Overview

Separation Overview

Extraction Detail

Heat Treatment

Centrifuge 1

Centrifuge 2

Ultra Filtration

Recipe

Login

Logout

PRI

Single Central Control

F1 PU-100 AG-101

F2 PU-101 AG-102

F3 PU-102 AG-103

F4 PU-103 PR-200

F5 PU-108 CV-102

F6 PU-110 CV-103

F7 PU-114 GR-001

F8 PU-118 AG-108

F9 PU-128 GR-002

F10 PU-164 AG-110

F11 PU-210 AG-202

F12 Engineer Screen